OFFICIAL REGISTER OF
HARVARD UNIVERSITY

VOL. XLI JUNE 30, 1944 No. 16

THE HARVARD SCHOOL OF PUBLIC HEALTH

55 SHATTUCK STREET
BOSTON, MASSACHUSETTS

INCLUDING
COURSES OF INSTRUCTION
FOR 1944-45

FROM
THE DEPARTMENT OF ANATOMY
HARVARD MEDICAL SCHOOL
BOSTON, - - MASS.

PUBLISHED BY THE UNIVERSITY

OFFICIAL REGISTER OF HARVARD UNIVERSITY

PUBLICATION OFFICE, LEHMAN HALL, CAMBRIDGE, MASS.

[*Entered March 6, 1913, at Boston, Mass., as second-class matter, under Act of Congress of August 24, 1912.*]

Issued at Cambridge Station, Boston, Mass., eight times quarterly.

These publications include the reports of the president and of the treasurer; the general catalogue issue; the announcements of the College and the several professional schools of the University; the courses of instruction; the pamphlets of the several departments; and the like.

PRINTED IN THE UNITED STATES OF AMERICA

BY THE HARVARD UNIVERSITY PRINTING OFFICE

ANNOUNCEMENT

OF THE

HARVARD SCHOOL OF PUBLIC HEALTH

55 SHATTUCK STREET
BOSTON, MASSACHUSETTS

1944
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CALENDAR FOR THE ACADEMIC YEAR 1944–45

Owing to the war emergency, the following calendar is subject to change.

October 31, Tuesday.	Registration of students.
November 1, Wednesday.	Academic Year Begins.
November 11, Saturday.	Armistice Day: a holiday.
November 30, Thursday.	Thanksgiving Day: a holiday.

RECESS FROM DECEMBER 22 TO DECEMBER 28, 1944, INCLUSIVE

January 1, Monday.	New Year's Day: a holiday.
February 22, Thursday.	Washington's Birthday: a holiday.
February 23, Friday.	Mid-year examinations begin.

RECESS FROM FEBRUARY 28 TO MARCH 4, 1945, INCLUSIVE

March 5, Monday.	Second Half-Year Begins.
April 19, Thursday.	Patriots' Day: a holiday.
May 30, Wednesday.	Memorial Day: a holiday.
June 18, Monday.	Final examinations begin.
June 28, Thursday.	COMMENCEMENT.

The academic year is divided into the following periods:

Wed., Nov. 1–Tues., Nov. 28	First Month
Wed., Nov. 29–Tues., Jan. 2	Second Month [1]
Wed., Jan. 3–Tues., Jan. 30	Third Month
Wed., Jan. 31–Tues., Feb. 27	Fourth Month [2]
Mon., March 5–Sat., March 31	Fifth Month
Mon., April 2–Sat., April 28	Sixth Month
Mon., April 30–Sat., May 26	Seventh Month
Mon., May 28–Sat., June 23	Eighth Month

[1] Recess from December 22 to December 28, 1944, inclusive.
[2] Recess from February 28 to March 4, 1945, inclusive.

ADMINISTRATIVE OFFICERS

President: James B. Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc.
Office, 1 Massachusetts Hall, Cambridge.

Acting Dean: Edward G. Huber, A.B., M.D., Dr.P.H.
Office, School of Public Health, 55 Shattuck Street, Boston.

Secretary: Mrs. Margaret G. Barnaby, A.B.
Office, School of Public Health, 55 Shattuck Street, Boston.

Physician to Students: Lewis W. Kane, M.D.
Office, Room 103, Building A, Harvard Medical School, 25 Shattuck Street, Boston.

Librarian, Library of School of Public Health and Medical School: Anna C. Holt
Office, Second Floor, Building A, Harvard Medical School, 25 Shattuck Street, Boston.

Bursar: Roy V. Perry
Office, Lehman Hall, Cambridge.

ADMINISTRATIVE BOARD

President James B. Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc. (*ex officio*).

Edward G. Huber, A.B., M.D., Dr.P.H., *Acting Dean* and *Associate Professor of Public Health Practice.*

Donald L. Augustine, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine.*

J. Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology.*

Fredrick J. Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition.*

Harold C. Stuart, Litt.B., M.D., *Associate Professor of Child Health.*

Edwin B. Wilson, A.B., Ph.D., *Professor of Vital Statistics.*

THE COMMITTEE APPOINTED BY THE BOARD OF OVERSEERS TO VISIT THE SCHOOL OF PUBLIC HEALTH

1944–45

Edward B. Krumbhaar
G. Barry Bingham
Robert Amory
S. Bruce Black
George B. Darling
David F. Edwards
Martha M. Eliot
Charles E. Hodges, Jr.
James H. Rand, Jr.
James Stevens Simmons
Andrew J. Warren
Charles F. Wilinsky
Huntington Williams

FACULTY OF PUBLIC HEALTH *

James Bryant Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc., *President.*

David Linn Edsall, A.B., M.D., S.D., *Dean, Emeritus.*

Edward Godfrey Huber, A.B., M.D., Dr.P.H., *Acting Dean* and *Associate Professor of Public Health Practice.*

Milton Joseph Rosenau, M.D., A.M., *Charles Wilder Professor of Preventive Medicine and Hygiene, Emeritus.*

Alice Hamilton, M.D., A.M., S.D., *Assistant Professor of Industrial Medicine, Emeritus.*

Frederick Fuller Russell, M.D., S.D., *Professor of Preventive Medicine and Epidemiology, Emeritus.*

Richard Pearson Strong, Ph.B., M.D., S.D., *Professor of Tropical Medicine, Emeritus.*

Ernest Edward Tyzzer, Ph.B., A.M., M.D., S.D. (hon.), *George Fabyan Professor of Comparative Pathology, Emeritus* and *Professor of Tropical Medicine, Emeritus.*

Edwin Bidwell Wilson, A.B., Ph.D., *Professor of Vital Statistics.*

William Irving Clark, A.B., M.D., *Clinical Professor of the Practice of Industrial Medicine.*

George Cheever Shattuck, M.D., A.M., *Clinical Professor of Tropical Medicine.*

Richard Mason Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics.*

Melville Conley Whipple, A.M. (hon.), *Associate Professor of Sanitary Chemistry.*

Cecil Kent Drinker, S.B., M.D., S.D. (hon.), *Professor of Physiology.*

Joseph Charles Bequaert, Ph.D., *Assistant Professor of Comparative Pathology and Tropical Medicine.*

* Arranged, with the exception of the President and Dean, on the basis of collegiate seniority.

William Lloyd Aycock, M.D., *Associate Professor of Preventive Medicine and Hygiene.*

Conrad Wesselhoeft, M.D., *Clinical Professor of Infectious Diseases.*

John Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology.*

Charles Walter Clarke, A.M., M.B.Ch.B., *Clinical Professor of Public Health Practice.*

Harold Coe Stuart, Litt.B., M.D., *Associate Professor of Child Health.*

Robert Nason Nye, A.B., M.D., *Assistant Professor of Bacteriology and Immunology.*

Philip Drinker, S.B., Chem.E., S.D. (hon.), LL.D., *Professor of Industrial Hygiene.*

Bertha Shapley Burke, A.M., *Associate in Nutrition.*

Gordon Maskew Fair, S.M., *Abbott and James Lawrence Professor of Engineering* and *Gordon McKay Professor of Sanitary Engineering.*

Elliott Stirling Andrew Robinson, A.B., M.D., Ph.D., *Assistant Professor of Applied Immunology and Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.* (Absent 1944–45.)

John Everett Gordon, S.B., Ph.D., M.D., *Charles Wilder Professor of Preventive Medicine and Epidemiology.* (Absent 1944–45.)

Albert Baird Hastings, S.B., Ph.D., S.D. (hon.), *Hamilton Kuhn Professor of Biological Chemistry.*

Donald Leslie Augustine, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine.*

Constantin Prodromos Yaglou, B.A., S.B., M.M.E., *Associate Professor of Industrial Hygiene.*

John Franklin Enders, Ph.D., *Associate Professor of Bacteriology and Immunology.*

Carl Rupp Doering, A.B., M.D., S.D., *Assistant Professor of Vital Statistics.*

William Thomas Green, A.M., M.D., *Assistant Professor of Orthopaedic Surgery.*

Richard Cannon Eley, M.D., *Associate in Pediatrics and Communicable Diseases.* (Absent 1944–45.)

LeRoy Dryden Fothergill, A.B., M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology* and *Associate in Pediatrics.* (Absent 1944–45.)

Quentin Monroe Geiman, S.M., Ph.D., *Assistant Professor of Tropical Diseases.*

Edward Warren Moore, A.M., *Associate Professor of Sanitary Chemistry* (Absent 1944–45.)

Charles Alderson Janeway, A.B., M.D., *Assistant Professor of Pediatrics.*

Jane Worcester, A.B., *Associate in Vital Statistics.*

Fredrick John Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition.*

Vlado Andrew Getting, A.B., M.D., Dr.P.H., *Lecturer on Public Health Practice.*

Henry Peter Treffers, A.B., Ph.D., *Assistant Professor of Comparative Pathology and Biological Chemistry.*

Frank W Maurer, A.B., Ph.D., *Assistant Professor of Physiology.*

Harold Allen Thomas, Jr., S.D., *Assistant Professor of Sanitary Engineering.*

Shih Lu Chang, M.D., Dr.P.H., *Faculty Instructor in Sanitary Biology.*

Leslie Silverman, S.D., *Associate in Industrial Hygiene.*

David Mark Hegsted, S.M., Ph.D., *Associate in Nutrition.*

The names of the other officers of instruction are given in their respective departments as listed under Content of the Courses, pages 27–46.

COMMITTEES OF THE FACULTY

Committee on Admissions

DONALD L. AUGUSTINE, Chairman; EDWARD G. HUBER, PHILIP DRINKER.

Committee on Examinations and Curriculum

EDWIN B. WILSON, Chairman; EDWARD G. HUBER, GORDON M. FAIR, J. HOWARD MUELLER.

Committee on the Degree of Doctor of Public Health

EDWIN B. WILSON, Chairman; EDWARD G. HUBER, GORDON M. FAIR, HAROLD C. STUART.

HISTORICAL STATEMENT

The Harvard School of Public Health first gave instruction to students in the academic year 1922–23. For many years activity in public health had been rapidly increasing in Harvard University. The influence of the University upon public health, through the pioneering and long-continued efforts of Dr. Henry P. Walcott, for many years senior member of the Harvard Corporation, was important and far-reaching. Courses in the various departments had been gradually developed to meet the need for men trained to conserve public health. The field of public health is so broad that it is not strange that this School did not find its origin in any one department. The records show certain important steps in what has been essentially a gradual development. In 1909 a department of Preventive Medicine and Hygiene was established in the Medical School. The degree of Doctor of Public Health was first conferred in 1911. In this same year a department of Sanitary Engineering was inaugurated in the Engineering School. In 1913 a department of Tropical Medicine was formed. In 1918 a Division of Industrial Hygiene, with clinical and laboratory facilities, was organized in the Harvard Medical School.

Besides these activities which were directly concerned with the training of men for public health work, research was being carried on in the regular departments of the Harvard Medical School in Bacteriology, Pathology, Parasitology, Physiology, Biochemistry, and others, which had a less direct but very real bearing on the development of the science of public health. On analysis it appeared that there were many activities under the various faculties of Harvard University, besides those of Medicine and Engineering, that had some bearing on public health. Under the Faculty of Arts and Sciences there were many courses, such as those in Physics, Chemistry, Zoölogy, Social Ethics, etc., which formed in certain cases important parts of the training of individuals for work in public health. In addition, there had been established in 1914, under the Faculty of Arts and Sciences, a department of Hygiene, which undertook the

supervision of the health of the students in its broadest aspect. This department had collected much data of considerable value in public health.

In 1913 the "Harvard-Technology" School of Public Health was organized. It was under the joint management of Harvard University and the Massachusetts Institute of Technology. This School continued to operate until the fall of 1922, when it was superseded by the new Harvard School of Public Health which was made possible by a generous endowment for this purpose from the Rockefeller Foundation. This endowment was known as the Henry P. Walcott Fund of Harvard University.

This gift made it possible: first, to correlate and to enlarge the various departments already existing in Harvard University, such as Preventive Medicine and Hygiene, Bacteriology, Sanitary Engineering, Tropical Medicine, Parasitology, and Industrial Hygiene; second, to create a department of Vital Statistics and to develop new special fields of instruction, such as Public Health Administration, Child Hygiene, Mental Hygiene, Communicable Diseases, and Ventilation and Illumination; and lastly, to purchase a building, standing on land adjacent to that occupied by the Medical School, in which to house the administration and the various groups concerned with the work of public health.

In 1936 women were admitted to the School as candidates for the Master and Doctor of Public Health degrees.

GENERAL STATEMENT

Programs of Study

Programs of study in the School of Public Health are based on the principle that a thorough training in the scientific groundwork of the practice of public health is an important factor in the success of the individual who holds a post where he is concerned with the public health, as well as with the success of the organization of which he is a part. The School does not seek to prepare expert

technicians for particular branches of departments of public health, although much of the instruction incidentally does familiarize students with many specialized public health problems. The primary purpose of the School is to provide a better understanding of the nature and broad significance of epidemiology, sanitation, vital statistics and public health administration, and of the specialties within those four fields, so that students may prepare themselves for careers as public health administrators, teachers in professional schools, directors of research or as specialists in such fields as maternal and child health, industrial health, the dissemination of health information, and nutrition.

Programs of study are adapted to the needs of individual students. Special students, who are not candidates for degrees, who seek to prepare for work in a special field, may concentrate in the broad field of problems in which their major interest lies. Those who have already completed the requirements for the first degree in public health may devote most of their time to research directed toward the preparation of doctoral dissertations. These students may plan to supplement and round out their previous graduate training through registering for courses offered in the other schools and departments of instruction in the University.

Facilities

The School of Public Health is located at 55 Shattuck Street, Boston, in close proximity to the Medical School, the School of Dental Medicine, the Peter Bent Brigham Hospital, the Children's Hospital, and the Lying-in Hospital. The Antitoxin and Vaccine Laboratory of the Massachusetts Department of Public Health is within a comparatively short distance of the School. The Boston Psychopathic Hospital is also within a few blocks. Thus the School of Public Health, though a definite entity, is an integral part of a great medical center with splendid facilities for development of the teaching of the theory and practice of public health. Certain members of the Faculty of the School are also members of the Faculty of Medicine, and the Library, laboratory facilities and hospitals are utilized by both

Schools to great mutual advantage. In Cambridge the graduate departments of the University offer opportunities for work in certain fields of special interest to public health students. For example, students may elect courses in sociology, business administration, the theory of government, common law, sanitary engineering and other subjects.

Several types of well organized public health activities lie within a short distance of the School. Close affiliation is maintained between the School and the State Department of Public Health, thus assuring students an opportunity not only to observe but actually to participate under competent direction in state health department activities. The Health Department of the City of Newton, whose Director of Health is on the teaching staff of the School, has been developed as a special training ground for students of local public health administration in all its phases.

Hospitals and clinics affiliated with the School of Public Health offer facilities for training in child health, tuberculosis control, treatment of contagious diseases of childhood, care of mental defectives, rehabilitation of crippled children, correction of dental defects, and other types of activity which relate directly to the promotion of health and social welfare. Opportunity is also offered for training in hospital administration under competent direction.

Boston being the center of a great industrial metropolitan area, students have opportunity to observe at first hand all the public health problems that large industrial populations must face, while the medical and technical personnel of selected industrial establishments offer training in industrial health.

Libraries

The joint Library of the School of Public Health and the Harvard Medical School is on the second floor of the Administration Building of the Medical School. It is open from 9 A.M. until 10 P.M. on week days, from 9 A.M. until 5 P.M. on Saturdays, and from 2 P.M. until 6 P.M. on Sundays. There are at present 79,800 volumes, 194,550 pamphlets, and 481 current periodicals on file in this library.

Students also have the privilege of using the College Library in Cambridge, as well as the various departmental libraries belonging to the University, in all of which there are 3,945,318 volumes and pamphlets.

The Boston Public Library is open to students who are residents of Boston, and students not residents of Boston who have filed a bond at the Bursar's Office.

The Boston Medical Library, No. 8 The Fenway, contains about 192,000 bound volumes, 134,000 pamphlets, and 475 current periodicals on file. For those who desire to consult medical literature, this very valuable library is open on week days from 9.00 A.M. to 5.00 P.M., and on Mondays and Thursdays until 10 P.M., from the middle of October to the end of May.

REQUIREMENTS FOR ADMISSION AND FOR DEGREES

Men or women who are applicants for admission to the School must satisfy the Committee on Admissions of their academic fitness. The record of courses completed as described in the application for admission is not in itself sufficient evidence of the fitness of a prospective candidate. The Committee may require additional evidence of present ability to utilize the training received and to profit by the courses administered by the School. The right is reserved to reject any applicant, or to accept an applicant as a special student rather than as a candidate for a degree until he demonstrates his ability to succeed in the work of the School.

All inquiries and communications regarding admission should be addressed to the Secretary, Harvard School of Public Health, 55 Shattuck Street, Boston 15, Massachusetts.

Master of Public Health

Although the course leading to the degree of Master of Public Health is designed primarily for graduates in medicine, it is also appropriate for other public health workers who have received adequate training or experience. Each applicant must convince the

Committee on Admissions that he is prepared to complete the course with distinction.

Applicants for this degree must belong to one of the following categories:

1. Graduates of schools of medicine, veterinary medicine or dentistry.
2. Graduates in arts or sciences with adequate training in the basic medical sciences.
3. Graduates in arts or sciences with specialized training and experience in an important phase of public health work.

To be eligible for this degree at least one academic year must be spent *in residence* at the University during which the student is required to elect a sufficient number of courses to make a total of at least twenty credit units each semester. Due consideration will be given to the individual need of each candidate, but the program he desires to elect must meet the approval of the Administrative Board. A list of the basic courses offered indicating the credit unit value for each course is given below. The unit values listed for each course indicate the approximate proportion of the student's total program the course is designed to occupy.

First Semester

	Credit Units
Public Health Practice A	4
Vital Statistics A	5
Sanitation A	4
Nutrition A	4
Bacteriology A	4
Parasitology and Tropical Medicine A	4
Public Health Practice D_1	1.5
Industrial Hygiene B (Laboratory)	3
Public Health Practice C	1
Medical Writing	.5
Term Paper	2

Second Semester

Child Health A	4
Communicable Diseases A	3
Ecology A	3
Epidemiology A	4
Vital Statistics B	4
Industrial Hygiene A	4
Public Health Practice D_2	2
Medical Administration A	2
Public Health Practice B	2
Child Health B	1
Child Health C	2
Industrial Hygiene B (Laboratory)	2
Bacteriology C (Applied Immunology)	1
Nutrition B	To be arranged
Sanitation B	To be arranged
Hospital Administration A and B	To be arranged

Candidates for the degree of Master of Public Health are required to prepare a *term paper* in their major field of interest. This paper shall not be more than approximately forty-five hundred words in length. The subject is to be selected before the end of the second month of the academic year, with the help of the department in which the student's special field of interest lies, and the completed paper is to be handed in before the end of the sixth month. The term paper is judged on its value as a piece of medical writing, as well as on its content.

At the end of the academic year a *comprehensive examination* is given which is designed to test the student's knowledge and judgment, and his ability to coördinate the various specialties in the public health field, with special reference to administration, epidemiology, sanitation and statistics.

To be recommended for the degree of Master of Public Health the candidate is required to pass at least two-thirds of the courses in his program, and the comprehensive examination, with distinction.

Doctor of Public Health

The degree of Doctor of Public Health is granted on evidence of a thesis which displays independent ability and originality in a special field. At least two years of work in residence at the School, including one year devoted to the courses forming the curriculum for the degree of Master of Public Health and the other to research, are necessary to obtain the degree of Doctor of Public Health. Students who have completed the requirements for the Master of Public Health degree elsewhere may, on passing the comprehensive examination with honors, be provisionally accepted as candidates for this degree, final acceptance depending upon the character of the work done. Such students may complete the required work in one year of resident research, although no assurance can be given of this, since the preparation of an acceptable thesis may consume more time than this.

Candidates for this degree must be graduates of an approved medical school and must possess the degree of Master of Public Health or its equivalent. In rare instances, and upon the approval of the Faculty of Public Health, students who do not have a medical degree, but who possess exceptional basic training and experience in the field of public health may become candidates for this degree provided that they meet the general requirements for this degree.

Upon admission to candidacy the student must present a plan of independent investigation to the Committee on the Degree of Doctor of Public Health. The results of this investigation will form the basis of the thesis which must be presented as one of the final requirements for graduation. Two copies of the thesis must be deposited in the Dean's Office six weeks before the date on which the degree is to be conferred. Each copy must be accompanied by a summary not exceeding 1200 words in length, which shall indicate clearly the purposes, methods and results of the investigation. After acceptance of the thesis, the candidate will be called before the Faculty for an oral examination upon the thesis and upon those public health subjects to which the thesis is related.

Certificate in Public Health

Occasionally students may wish to confine their studies to some particular field of public health, such as bacteriology, vital statistics and nutrition. Such students must secure the approval of the head of the department in which they wish to specialize. If they do honor work, they may then be granted the Certificate in Public Health in that specialty as evidence of their accomplishment. Ordinarily, students are encouraged to take a sufficiently broad program to enable them to pass with distinction the comprehensive examination and thus to become eligible for the degree of Master of Public Health.

Master of Education in the Field of Public Health Education

The program in this field is offered co-operatively by the Faculties of Public Health and of Education and is ordinarily divided equally between these two fields.

This program is designed for experienced teachers who desire to prepare for the work of the supervisor or director of public health education and for those eligible for the degree of Master of Public Health who seek to prepare for work in the field of dissemination of health information in a department of public health. Courses in Comparative Anatomy and in the principles of Physiology and Zoology are prerequisite to the courses in public health.

The standard program would be:

In the School of Public Health

- Sanitation A
- Nutrition A
- Epidemiology A
- Public Health Practice A
- Public Health Practice B
- Communicable Diseases A

In the School of Education

- Educational Administration 1
- Educational Administration 2

Educational Psychology 2
Sociology 7a (under the Faculty of Arts and Sciences)

Two introductory courses drawn from:

Educational Psychology 1
Educational Measurement 1
Philosophy of Education 1
Secondary Education 1
Principles of Teaching 5

Special Students

Those who do not meet the academic requirements for admission as candidates for degrees may be admitted to certain courses and programs of study at the discretion of the head of each department, and subject to conditions specified by him with the approval of the Committee on Admissions.

Students unable to spend a full academic year at the School may come for individual courses if their preparation for the course is approved by the head of the department.

As the capacity of the School is limited, the number of special students who can be admitted is dependent on the number of applicants who are accepted for the regular course. Therefore, it is not possible to know until early in the fall how many special students can be received.

Master or Doctor of Science in Engineering

Graduates of engineering colleges or scientific schools of recognized standing who are interested in the sanitary engineering or industrial hygiene aspects of public health may be admitted to the Graduate School of Engineering as candidates for the degree of Master or Doctor of Science.

For further information write The Secretary, Graduate School of Engineering, Pierce Hall, Cambridge 38, Massachusetts.

Doctor of Philosophy in Hygiene

Information relative to prerequisites, courses, fees, etc., may be secured from the Secretary, Division of Medical Sciences, Harvard Medical School, 25 Shattuck Street, Boston 15, Massachusetts.

GENERAL INFORMATION

Registration

Registration in the School of Public Health for the academic year 1944–45 is on Tuesday, October 31. Adequate time should be allowed by the student for the discussion of his program with faculty members and with the Dean of the School, whose approval of each program is essential.

All alien students will be referred before registration to the Counsellor for Foreign Students, 5 Grays Hall, Cambridge, where they will present a statement of admission, show their passports, and fill out an Alien Student Registration form. They will then receive a card for presentation at registration, showing they have been cleared by the office of the Counsellor for Foreign Students.

Fees and Expenses

The fee for tuition for the academic year is $400 for all full-time students who are candidates for degrees. For part-time students the fee varies according to the courses taken and is based on the proportion of the annual fee for instruction which the credit units for each course bear to the total number of credits necessary for the degree of Master of Public Health, plus five dollars for each course. For example, a part-time student taking a two-credit unit course would pay a tuition fee of $25; a student taking a four-credit unit course would pay $45.

Each full-time student will be charged annually a Medical and Infirmary fee of $20. Part-time students working at the rate of substantially half-time or less and living at home may be exempted from this requirement upon recommendation of the Dean.

Bills for tuition and fees will be issued and payable as follows:

	Issued	*Payable*	
Winter Term	At Registration		½ of the tuition for the term Medical and Infirmary Fee
	Dec. 20	Jan. 10	½ of the tuition for the term Board Room rent for the term Miscellaneous charges
Spring Term	Feb. 20	March 10	½ of the tuition for the term Medical and Infirmary Fee Board Miscellaneous charges
	At Registration *		½ of the tuition for the term Medical and Infirmary Fee
	April 20	May 10	½ of the tuition for the term Board Room rent for the term Miscellaneous charges
	June 21	June 27	Board Miscellaneous charges

* Applies to entering students only.

Students who are candidates for degrees must pay all dues to the University at least one day before the day upon which the degrees are to be voted. A student who leaves during the year is charged to the end of the tuition period in which he leaves provided before that time he gives the Dean notice in writing of his withdrawal; otherwise he is charged to the end of the tuition period in which such notice is given.

A student who leaves the University for any reason whatever must pay all charges against him immediately upon receipt of a bill from the Bursar. Every student will be held responsible for the payment of fees until he has notified the Dean of his intention to withdraw from the School.

All term bills will be sent to the student at his local address unless the Bursar is requested in writing to send them elsewhere.

The following regulations applicable to students who leave the University by reason of the present national emergency have been adopted:

1. A student who leaves the University for military service in the national emergency, or for service accepted by the University as auxiliary thereto, under conditions which make it impossible for him to complete his work for the term will be required to pay towards his fees for the period in which he leaves *pro rata* to the time of his departure.

2. A student who leaves the University for military or such auxiliary service in the national emergency and is eligible to return within a period of three years to complete his work may reënter the University in any term and be credited with any unrefunded fees paid in the year in which he left on account of a period for which he did not receive academic credit.

Bond Requirement

Upon entrance to the School every student is required to file with the Bursar a bond in the sum of $500 as security for payment of University bills. The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts. No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States government coupon bonds, or five hundred dollars in cash, which will bear no interest. Blank forms of bonds may be obtained at the Dean's Office or from the Bursar.

Student Health Service

In return for payment of the medical fee the School provides a physician to students who will give medical advice and treatment without charge during the school year. He is available for consulta-

tion by students at his office in Building A, Harvard Medical School, from 8.30 to 9.00 A.M., and from 4.00 to 5.30 P.M. daily except Saturdays and holidays. He may also be seen at other times by appointment and at any time in case of emergency. The fee also covers, when necessary, board and ordinary nursing care, for not more than a total of one week per term, in the Stillman Infirmary or in one of the teaching hospitals of the Medical School. There will be an extra charge for private rooms, special nursing care, X-rays and special treatment. In addition, each student is entitled to all the medical and other services that have been organized under the Student Health Service plan of the University.

Any illness necessitating absence from work should be reported to the Student Health Office by the student, or by an attending physician.

Under the auspices of the Department of Medicine of the Harvard Medical School students paying the medical fee will be required to undergo a complete medical examination shortly after admission to the School.

Evidence of having been satisfactorily vaccinated is required for entrance to Harvard University and a form of certification for this purpose is sent to each student who is accepted for admission.

Living Accommodations

There are no dormitories for School of Public Health students but men students may secure rooms at Vanderbilt Hall, the Medical School dormitory, if they are not all taken by medical students. Men may get their meals at Vanderbilt Hall dining room, which at present is operated on a cafeteria system, and women may go there for luncheon. Furnished rooms in hotels or private homes are available in the vicinity of the School, or in Brookline, a residential district within a short distance, and a limited number of apartments usually can be found. The School is glad to supply such information about living accommodations as can be secured but students should plan to reach Boston in time to make their arrangements in advance of registration.

Fellowships and Scholarships

Certain fellowships and scholarships derived from special gifts to the University are open to students in the several departments of the University. They are administered by the Committee on General Scholarships, of which the Dean of the Faculty of Arts and Sciences is the Chairman. Application for any of these fellowships or scholarships must be made on a special form which may be obtained from the Chairman of the Committee on General Scholarships, 5 University Hall, Cambridge 38, Mass. Some of these fellowships and scholarships are granted to persons not previously members of the University, though preference is given, as a rule, to students who have already given evidence of their qualifications by work done in some department of the University. Appointments to fellowships and scholarships for any academic term are made, in most cases, by the Corporation, on recommendation of the Committee on Fellowships, at the beginning of the preceding academic term.

CONTENT OF THE COURSES
OFFERED BY THE
FACULTY OF PUBLIC HEALTH

Courses listed in brackets are omitted in 1944–45

BACTERIOLOGY AND IMMUNOLOGY

J. Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology* and *Head of the Department.*

John F. Enders, Ph.D., *Associate Professor of Bacteriology and Immunology.*

LeRoy D. Fothergill, A.B., M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.* [Absent for war service.]

Elliott S. A. Robinson, A.B., M.D., Ph.D., *Assistant Professor of Applied Immunology* and *Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.* [Absent for war service.]

Robert N. Nye, A.B., M.D., *Assistant Professor of Bacteriology and Immunology.*

William A. Hinton, S.B., M.D., *Instructor in Bacteriology and Immunology* and *Chief of Wassermann Laboratory, Department of Public Health of Massachusetts.*

Geoffrey Edsall, M.D., *Instructor in Applied Immunology* and *Acting Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.*

James A. McComb, D.V.M., *Instructor in Applied Immunology and Acting Assistant Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.*

Morris J. Pickett, A.B., Ph.D., *Assistant in Bacteriology and Immunology.*

The Department of Bacteriology and Immunology of the Harvard School of Public Health, in addition to a fundamental course in bacteriology, offers a voluntary course in immunology which consists of seminars and laboratory exercises.

Provision is made for individual work upon problems of serum production, standardization, etc., at the Antitoxin and Vaccine Laboratory of the Massachusetts Department of Public Health.

Advanced work and opportunities for investigation are available, admission to this type of work depending upon the fitness of the applicant.

Bacteriology A

Lectures and laboratory work. *Mondays, Wednesdays, Fridays, 2–5 P.M. and Saturdays, 10–11 A.M., third and fourth months.*

Credit 4 units.

This course, designed for the student of public health, deals with the bacteriology of the pathogenic microörganisms in its applications to diagnosis, investigation and prevention of communicable disease.

Special emphasis will be placed on the practical laboratory aspects of the diseases of particular importance from the standpoint of public health. To a certain extent, provision will be made for the special requirements of individual students. While the course will consist essentially in practical laboratory methods, it will be supplemented by suitable lectures on topics of general interest to public health students.

Bacteriology B (Immunity)

[Seminars and laboratory work. *Tuesdays, 2–5 P.M., and Thursdays, 2.30–5.30 P.M., second and third months.*] Omitted in 1944–45.

Credit 2 units.

Immunity. — The course will consist of seminars in which the basis of discussion will consist of some of the most important older and more recent immunological literature. The student will be expected to take an active part in reviewing this material. In the laboratory exercises, which will occupy two-thirds of the period, the student will carry out the fundamental immunological procedures such as the preparation of antisera and the evaluation of such sera by means of a variety of immunological reactions.

Bacteriology C (Applied Immunology)

Lectures and laboratory work. *Mondays, Wednesdays, and Fridays, 2–5 P.M., at State Antitoxin Laboratory, during eighth month.* Dr. Edsall.

Credit 1 unit.

In this course the application of immunological theory to the prevention and treatment of disease, as evidenced in the manufacture of serums, vaccines, and related products, is developed by lectures, discussions, and laboratory

demonstrations. The content of the course is dependent upon the training and interests of the students, and on the facilities available by reason of the present emergency.

Opportunities are also offered for study of and training in the manufacture of biologic products or for original work in problems related to these processes, at times to be arranged individually.

This course will not be given for less than five students but arrangements for special work at the Antitoxin Laboratory will be made for anyone interested.

Bacteriology D (Viruses)

[*Tuesdays, 2–5 P.M. and Thursdays, 2.30–5 P.M., during February.* Dr. Enders.] Omitted in 1944–45.

Credit 1 unit.

This course will consist of eight exercises in which an opportunity will be offered to acquire some of the fundamental techniques employed in the study of virus agents pathogenic for man and the lower animals. In addition there will be presented reviews of the recent, significant contributions to knowledge of these agents.

Serological Diagnosis of Syphilis

Time and credit to be arranged. Dr. Hinton.

A short course which deals with the details of methods of the serological diagnosis of syphilis.

Research in Bacteriology

Special advanced courses will be offered in Immunology and the Technique of Serum Study, and will be open to a limited number of students.

Opportunity will be given for properly qualified students to pursue research work along varied lines.

COMMUNICABLE DISEASES

Richard M. Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics* and *Head of the Department.*

Conrad Wesselhoeft, M.D., *Clinical Professor of Infectious Diseases.*

Charles A. Janeway, A.B., M.D., *Assistant Professor of Pediatrics.*

Edwin H. Place, M.D., *Lecturer on Communicable Diseases.*

R. Cannon Eley, M.D., *Associate in Pediatrics and Communicable Diseases.* [Absent for war service.]

Charles F. Walcott, A.B., M.D., *Instructor in Infectious Diseases.*

Teaching in Communicable Diseases is given in the Haynes Memorial Hospital for Contagious Diseases and in the Isolation wards of the Children's Hospital.

Communicable Diseases A

Lectures. *Tuesdays and Fridays, 9–10 A.M., fifth, sixth, and seventh months.* Clinics. *Wednesdays, 3.30–5 P.M., fifth, sixth, and seventh months.* Dr. Wesselhoeft and associates.

Credit 3 units.

This course consists of lectures, demonstrations, clinics, and conferences on the care and management of patients with communicable diseases, with special consideration of problems which are solved jointly by the public health official and the practicing physician.

Research in Communicable Diseases

Opportunity is offered to qualified students to pursue research work in communicable disease problems in the Department of Communicable Diseases or in conjunction with the Department of Bacteriology and Immunology.

EPIDEMIOLOGY

John E. Gordon, S.B., Ph.D., M.D., *Professor of Preventive Medicine and Epidemiology.* [Absent for war service.]

W. Lloyd Aycock, M.D., *Associate Professor of Preventive Medicine and Hygiene* and *Acting Head of the Department.*

Grace E. Lutman, M.D., M.P.H., *Assistant in Epidemiology.*

Epidemiology A

Lectures and laboratory work. *Mondays and Fridays, 11 A.M.–12 M.; Wednesdays, 11 A.M.–12.30 P.M.; and Saturdays, 9–11 A.M.; second half-year.* Dr. Gordon, Dr. Aycock and associates.

Credit 4 units.

A laboratory, lecture and seminar course designed to give the principles, historic development and methods of epidemiology of the communicable dis-

eases with their application to public health. The laboratory work illustrates field experience and field methods in the collection, analysis and interpretation of data on epidemic and endemic disease.

Epidemiology B

[Advanced Epidemiology. *Thursdays, 9–11 A.M., fifth, sixth, and seventh months; Tuesdays, 2–5 P.M., and Thursdays, 9 A.M.–5 P.M. in the eighth month.* Drs. Gordon and Aycock.] Omitted in 1944–45.

Credit 2 units.

A conference, field and laboratory course based on studies of current outbreaks of communicable disease. Emphasis is given to investigative procedures and the evaluation of methods of control. Available to students with acceptable preparation.

Epidemiology C

Properly qualified workers may be assigned problems in connection with the general program of field and laboratory investigation being pursued in the department, or may be aided in the development of their own problems. Dr. Gordon and Dr. Aycock.

INDUSTRIAL HYGIENE

Philip Drinker, S.B., Chem.E., S.D. (hon.), LL.D., *Professor of Industrial Hygiene* and *Head of the Department.*

Constantin P. Yaglou, B.A., S.B., M.M.E., *Associate Professor of Industrial Hygiene.*

W. Irving Clark, A.B., M.D., *Clinical Professor of the Practice of Industrial Medicine.*

Leslie Silverman, S.D., *Associate in Industrial Hygiene.*

C. Guy Lane, A.B., M.D., *Clinical Professor of Dermatology.*

Erich Lindemann, Ph.D., M.D., *Associate in Psychiatry.*

Charles R. Williams, Ph.D., *Instructor in Industrial Hygiene.*

Thomas L. Shipman, Ph.B., M.D., *Instructor in the Practice of Industrial Medicine.*

Ralph W. McKee, A.B., S.M., Ph.D., *Instructor in Industrial Hygiene.*

Manfred Bowditch, A.B., *Instructor in Industrial Hygiene.*

Emma S. Tousant, LL.B., *Instructor in Workman's Compensation.*

Henry C. Marble, A.B., M.D., *Assistant in Industrial Hygiene.*

Industrial Hygiene A

Lectures and demonstrations. *Mondays, Wednesdays, and Fridays, 2–4 P.M., fifth, sixth and seventh months.* Field trips, *2–5 P.M., on eight days, dates to be announced.* Professor DRINKER and associates.

Credit 4 units.

A course of lectures, demonstrations, clinics, and inspections showing the relation of working conditions to health, with special reference to the cause, prevention and treatment of industrial disabilities.

Industrial Hygiene B (Laboratory)

Laboratory work. *Tuesdays and Thursdays, 2–5 P.M., first month through seventh month.* Professor DRINKER and associates.

Credit 5 units.

Laboratory exercises in measuring airflow, in appraising air conditioning and ventilating installations, in determining and identifying atmospheric impurities, and in making toxicological analysis of importance in industrial medical problems.

Heating and Ventilation (Engineering 140a)

[Lectures. *Mondays, Wednesdays, and Fridays, 9–10 A.M., first half-year, at Pierce Hall, Cambridge.* Professor C. H. BERRY.] Omitted in 1944–45.

The theory and practice of heating and ventilating. For engineers. Lectures and exercises in industrial ventilation normally given as a part of Engineering 140a at the Engineering School may be given at the School of Public Health.

Air Conditioning (Engineering 140b)

Lectures. *Mondays, Wednesdays, and Fridays, 9–10 A.M., second half-year, at Pierce Hall, Cambridge.* Assoc. Professor YAGLOU.

Theory and practice of air conditioning. For engineers.

Research in Industrial Hygiene, Heating and Ventilating, and Air Conditioning

A limited number of qualified students will be given an opportunity to do research work in these general fields.

MATERNAL AND CHILD HEALTH

Richard M. Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics.*

Harold C. Stuart, Litt.B., M.D., *Associate Professor of Child Health* and *Head of the Department.*

William T. Green, A.M., M.D., *Assistant Professor of Orthopaedic Surgery.*

Bertha S. Burke, A.M., *Associate in Nutrition.*

Stewart H. Clifford, M.D., *Instructor in Pediatrics and Child Hygiene.*

Samuel B. Kirkwood, A.B., M.D., *Instructor in Obstetrics and in Maternal Health.* [Absent for war service.]

Martha A. O'Malley, M.D., M.P.H., *Assistant in Child Health.*

Child Health A

Lectures. *Mondays and Wednesdays, 9–10 A.M., Fridays, 10–11 A.M., second half-year.* Dr. Smith, Dr. Stuart, and associates.

Credit 4 units.

This course presents in broad outline various subjects which have an important relation to child health. They are grouped under the following general divisions.

1. — Maternal Hygiene, Obstetrical Care and Care of the Newborn

Lectures dealing with those aspects of maternal care which are of concern to the health officer and which require attention for the protection of the fetus as well as the mother.

2. — Growth and Development

The lectures on Growth and Development consider not only normal occurrences, but the requirements for satisfactory progress, and the problems of health appraisal in childhood. An attempt is made in this division to cover the scientific foundations upon which activities in the field of child health should be constructed.

3. — Morbidity and Mortality

Lectures on Morbidity and Mortality focus attention upon the chief conditions requiring preventive effort and the prevalence of various risks and handicaps.

4. — Child Hygiene

These lectures deal with the methods and channels of applied child health activities, both public and private. The care and protection of the infant, the pre-school child and the school child are taken up successively in lectures and discussion periods. The formation of health habits in the general field of mental hygiene are included in these lectures.

Child Health B

Seminars and field work. *Thursdays, 2–4 P.M., fifth, sixth and seventh months.*

Credit 1 unit.

This course supplements the lectures in Maternal Hygiene and Obstetrical Care given in Child Health A. It presents in some detail both the clinical and the more purely administrative problems to be faced by the health officer in this field. Recent advances in obstetrics and treatment of common obstetrical difficulties together with problems of organization and administration are discussed.

Field work in maternal hygiene is offered at the South Boston Clinic of the Boston Lying-in Hospital for pre-natal and post-natal problems, at the Out-Patient Clinic of the Free Hospital for Women in Brookline for the gynecological aspects of maternal hygiene, and at the Boston Lying-in Hospital.

Child Health C

Seminars, clinical and field work. *Mondays, 2.00–5.00 P.M., second half-year. Thursday, 9.00 A.M.–5.00 P.M., during eighth month.*

Credit 2 units.

The aim of this course is to give practical instruction in the conduct of various health activities. The schedule of activities will be arranged as far as possible to meet the particular needs of each student.

Through field exercises an additional opportunity is offered to study at first hand the work of the Division of Child Hygiene of the State Department of Public Health, the Infant and Pre-School Child Welfare Conferences of the Boston City Health Department, and the health program in the schools of the City of Newton. The care and protection of handicapped children is also demonstrated on visits to such institutions as the Florence Crittenton Home, the New England Home for Little Wanderers, and the Wrentham State School. The Infants' and Children's Hospital, the House of the Good Samaritan, and other hospitals offer clinics and ward rounds.

NUTRITION

A. Baird Hastings, S.B., Ph.D., S.D., *Hamilton Kuhn Professor of Biological Chemistry.*

Fredrick J. Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition* and *Head of the Department.*

David M. Hegsted, S.M., Ph.D., *Associate in Nutrition.*

John M. McKibbin, S.M., Ph.D., *Instructor in Nutrition.*

Elizabeth K. Caso, S.M., *Instructor in Nutrition.*

Andromache G. Tsongas, S.B., M.P.H., *Assistant in Nutrition.*

Anne Williamson, S.M., *Assistant in Nutrition.*

Nutrition A

Lectures. *Mondays, Wednesdays, and Fridays, 9–10 A.M., first half-year.* Dr. Stare and associates.

Credit 4 units.

The course deals with the fundamentals of the chemistry and physiology of nutrition and the practical application of these principles to the problems of human nutrition, especially in the field of public health.

Among the subjects discussed are energy metabolism; protein, mineral, and vitamin metabolism; methods for establishing the minimum and optimum nutritional requirements, together with the problems of meeting these requirements, especially for low income groups. Dietary requirements are considered in their relation to growth, development, pregnancy, lactation, and the formation and maintenance of dental structures. Methods of taking nutritional histories and the use of physical and chemical methods for evaluating the nutritional state of individuals or large groups are presented with special emphasis on nutritional surveys of population groups. The consequences of nutritional deficiencies and the relation of optimum nutrition to national health and economy are discussed. The place of the nutritionist in the public health program is considered and procedures are suggested for educational work. Food budgets, particularly for low income families are dealt with, as is also the importance of food habits. The principles of diet therapy are taught with special emphasis on diabetes and obesity. The nutritional problems of war and other emergencies are dealt with, and the relation of production, distribution and preparation to the best use of foods discussed.

Nutrition B

Time and credit to be arranged. Dr. Stare and associates.

Facilities are available for advanced work in nutrition along the following lines: fundamental research in nutrition, laboratory methods in nutrition, applied nutrition in public health and medicine, applied nutrition in food management and service.

Prerequisite: Nutrition A or its equivalent. Admission limited and subject to the approval of the instructor.

Nutrition C

Journal Club and Seminar in Nutrition. *Wednesdays, 4–5 P.M. throughout the year.* Dr. Stare and associates.

Credit to be arranged.

Brief discussions of current literature in fundamental and applied nutrition and assigned topics.

Prerequisite: Nutrition A or its equivalent. Admission limited and subject to the approval of the instructor.

PARASITOLOGY AND TROPICAL MEDICINE

Donald L. Augustine, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine* and *Acting Head of the Department.*

George C. Shattuck, M.D., A.M., *Clinical Professor of Tropical Medicine.*

Joseph C. Bequaert, Ph.D., *Assistant Professor of Comparative Pathology and Tropical Medicine.*

Henry P. Treffers, A.B., Ph.D., *Assistant Professor of Comparative Pathology and Biological Chemistry.*

Quentin M. Geiman, S.M., Ph.D., *Assistant Professor of Tropical Diseases.*

Shih L. Chang, M.D., Dr.P.H., *Faculty Instructor in Sanitary Biology.*

David Weinman, A.B., M.D., *Instructor in Comparative Pathology and Tropical Medicine.*

Joan McAllister, S.B., A.M., *Assistant in Comparative Pathology and Tropical Medicine.*

Parasitology and Tropical Medicine A

Lectures and laboratory work. *Mondays, Wednesdays, Fridays, 2–5 P.M., first and second months and Saturdays, 10 A.M.–12.30 P.M., November 4, 18, 25.* Dr. Augustine and associates.

Credit 4 units.

The course consists of lectures, laboratory exercises and demonstrations dealing with helminths, protozoa and arthropods of importance to public health, with the object of training the student in the identification of the more important parasites, and study of their life histories with reference to prevention and control. The agency of insects and other arthropods in the transmission of disease will receive special consideration.

Students with special backgrounds and interests may undertake special or advanced work along with, or in lieu of, the regular course. Investigations of members of the Department have provided material, including cultures and other living material, in a number of fields. Among the subjects available for special work are: trichinosis, with special reference to skin and precipitin tests; hookworms; ascariasis; amoebiasis, methods of diagnosis and cultivation; trypanosomiasis; leishmaniasis, bartonellosis and rickettsial diseases; rearing and dissection of various insects such as mosquitoes, bedbugs, fleas, sandflies; identification of mosquitoes, *et cetera.* A number of exercises will be devoted to the public health aspects of certain of the more important tropical diseases.

Advanced Work in Medical Zoölogy and Tropical Medicine

Advanced work and research in protozoölogy, helminthology, and medical entomology may be arranged for qualified students.

Special work on malaria and other problems relating to tropical or exotic diseases may be arranged for qualified students and opportunities are at times afforded for investigators engaged on special problems to work in laboratories or hospitals situated within the tropics.

PHYSIOLOGY

Cecil K. Drinker, S.B., M.D., S.D. (hon.), *Professor of Physiology* and *Head of the Department.*

Frank W Maurer, A.B., Ph.D., *Assistant Professor of Physiology.*

J. William Heim, S.M., Ph.D., *Assistant in Physiology.*

Jytte M. Muus, M.Sc., *Instructor in Physiology.*

Esther Hardenbergh, A.B., A.M., *Instructor in Physiology.*

Ecology A

Lectures. *Mondays and Wednesdays, 10–11 A.M., second half-year.* Dr. Drinker and associates.

Credit 3 units.

Ecology is that branch of biological science which deals with the relations of living organisms to their surroundings.

It is the effort of sanitary engineering to provide living and working conditions safe and tolerable for man all over the world and under many different circumstances. The human organism reacts characteristically to many changes in physical environment, to chemical changes in the atmosphere, and to alterations in food supply. In every instance large groups of people are involved and a reasonable knowledge of the principles of public health thus requires realization of the effects of the commoner environmental conditions met by man. These are heat, cold, humidity, dryness, alterations in barometric pressure, light, contamination of the atmosphere by smoke, dusts and chemicals, and changes in diet.

The course will consist of lectures, conferences and demonstrations covering the reaction caused by the varieties of human experience.

Research in Physiology

Properly qualified students will be given opportunities to work in the laboratory provided they can spend at least six months of undivided time.

PUBLIC HEALTH PRACTICE

Edward G. Huber, A.B., M.D., Dr.P.H., *Associate Professor of Public Health Practice, Head of the Department* and *Acting Dean.*

C. Walter Clarke, A.M., M.B.Ch.B., *Clinical Professor of Public Health Practice.*

Paul K. Losch, D.D.S., *Assistant Professor of Clinical Dentistry.*

Shields Warren, M.D., *Assistant Professor of Pathology.* [Absent for war service.]

Vlado A. Getting, A.B., M.D., Dr.P.H., *Lecturer on Public Health Practice* and *Commissioner of Public Health, Department of Public Health of Massachusetts.*

Alton S. Pope, A.B., M.D., Dr.P.H., *Instructor in Public Health Practice* and *Deputy Commissioner, Department of Public Health of Massachusetts.*

Roy F. Feemster, A.B., M.D., Dr.P.H., *Instructor in Public Health Practice* and *Director of the Division of Communicable Diseases, Department of Public Health of Massachusetts.*

Herbert L. Lombard, A.B., M.D., M.P.H., *Instructor in Public Health Practice* and *Director, Division of Adult Hygiene, Department of Public Health of Massachusetts.*

Norbert A. Wilhelm, M.D., *Instructor in Public Health Practice and Superintendent, Peter Bent Brigham Hospital.*

Ernest M. Morris, A.B., M.D., M.P.H., *Instructor in Public Health Practice* and *Director of Public Health, City of Newton, Massachusetts.*

John B. Hozier, S.B., M.D., M.P.H., *Instructor in Public Health Practice* and *Acting Director, Division of Genitoinfectious Diseases, Department of Public Health of Massachusetts.*

F. William Marlow, Jr., S.B., M.D., *Associate in Medicine.*

Katherine R. Drinker, A.B., M.D., *Instructor in Public Health Practice.*

Public Health Practice A

Lectures and seminars. *Tuesdays, Thursdays and Saturdays, 9–10 A.M., first half-year (except November 9 and 16)*; *2–3 P.M., November 9 and 16.* Dr. Huber and associates.

Credit 4 units.

The aim of this course is to study organizational structure and the operation of administration as applied to the practice of public health. This subject is developed through a study of the principles of public administration, of organization, of personnel management, of public health law, of budgeting and of leadership. With the increasing complexity of government, the health commissioner devotes more and more of his time to administration in general, as distinguished from technical administration in the specialty of public health. The health commissioner, therefore, should understand his relationship to other departments, divisions and bureaus of federal, state and municipal governments and to non-official agencies. These subjects receive full consideration in the lectures. In order to develop the specific duties of the administrator of a health department, studies will be made of typical problems which present themselves and of the best solutions to these problems. The purpose of this case history method of presentation is to demonstrate the application of the principles of public health to its practice.

Public Health Practice B

Seminars, conferences and field studies. *Tuesdays, 2–4 P.M., fifth, sixth and seventh months; Thursdays, 9 A.M.–5 P.M. in the eighth month.* This course will not be given for less than ten students.

Credit 2 units, or according to amount of work done.

This course is supplementary to Public Health Practice A in that its subject matter consists chiefly of topics which relate to problems in technical administration in the public health field. The seminar members will be expected occasionally to lead discussions, as well as to participate when seminars are led by non-resident consultants who are leaders in their respective fields. The

purpose of the seminars is the study of practical problems of organization and of administration of national, state, district and local health departments. Research into these problems is encouraged.

During the eighth month field exercises are conducted. These demonstrations are given by the Department of Public Health Practice with the active coöperation of the Massachusetts Department of Public Health, the Health Department of the City of Newton and other official and unofficial health agencies.

Students are given opportunities throughout the year to observe and study public health administration in all its aspects by visiting as frequently as is desired certain health departments at state, district, municipal and rural governmental levels.

Public Health Practice C (History of Public Health)

Lectures and seminars. *Tuesdays, 2–3 P.M., first, second and third months; Thursdays, 2–3 P.M., in the third month.* Dr. Huber and associates.

Credit 1 unit.

This course deals with the growth of the modern public health movement with special emphasis on its progress in Anglo-Saxon countries. The cultural, social and economic forces which have influenced this movement are carefully studied in their relationship to the evolution of the science of public health.

Research in Public Health Practice

Advanced students are offered the opportunity to undertake special studies in Public Health Practice. The student must have completed Vital Statistics A and be enrolled in Public Health Practice B and Epidemiology A before registering for this work.

Venereal Disease Control

Public Health Practice D_1

Lectures and demonstrations. *Mondays, February 5, 12, 11 A.M.–12 M.; Tuesdays, February 6, 13, 20, and Thursdays, February 1, 8, 15, 2–4 P.M.; and Saturdays, February 3, 10, 17, 10 A.M.–12 M.* Dr. Clarke.

Credit 1½ units.

Lectures will be given during the first hour of each session, emphasizing syphilis, gonorrhea, etc., as communicable diseases. The second hour will be devoted to the showing of motion pictures, stereopticon slides, and demonstrations of clinic procedure.

Public Health Practice D_2

Lectures and seminars. *Mondays, Wednesdays and Fridays, and Thursdays, May 31, June 7, 2–4 P.M., eighth month.* Dr. CLARKE.

Credit 2 units.

Lectures will be given during the first hour of each session covering epidemiology, case holding, health education and public health administration of venereal disease control programs. During the second hour problems, assigned early in the course to each student for further study and reporting, will be discussed in a seminar.

During or at the end of the course a one-week field trip to study effective venereal disease control programs in operation is available for any students interested in this aspect of the instruction.

Clinics

Clinical instruction in syphilis at the Peter Bent Brigham Hospital. *Wednesdays, 6–8 P.M., and Thursdays, 1–3.30 P.M.* Dr. MARLOW.

These clinics are available during the entire year to all public health students; those who are planning to do public health work in this field are expected to spend considerable time in them and to participate in the work.

Credit units according to amount of work done.

Clinical instruction in gonorrhea at the Peter Bent Brigham Hospital. *Mondays through Saturdays, 8.30–11.30 A.M.*

These clinics, while especially designed for students whose major interest is the control of the venereal diseases, are also available to other students.

Credit units according to amount of work done.

Serological Diagnosis. Dr. HINTON. See page 29.

Field Work

Field work in the Bureau of Social Hygiene, City of New York Department of Health. *July, August and September.* Dr. CLARKE, with the assistance of officers of the New York City Department of Health, Bureau of Social Hygiene.

Here half time will be devoted to administration and half to active work in clinics, rotating in each case from post to post. Weekly conferences with Dr. CLARKE will be held in order to coördinate the various activities in which the students have participated.

Technique of Medical Writing

Saturdays, December 30, 10–11 A.M., January 6, 13, 10 A.M.–12 M., Mondays, January 8, 15, 22, 11 A.M.–12 M. Dr. KATHERINE R. DRINKER.

Credit ½ unit for lectures and 2 units for term paper.

A series of lectures, class discussions, and practical demonstrations covers such subjects as using a medical library; preparing a working bibliography; making an outline; writing and revising a paper — including a discussion of paragraph development and sentence structure; preparing tables and illustrations; citing references; proofreading, etc. The term paper required in the major field of interest provides each student with a practical exercise in medical writing. This exercise is supplemented with group conferences in which short written papers of different types are presented and discussed from the points of view of plan and of effective construction.

Control of Cancer

[*Mondays, Wednesdays, Fridays, 9–10 A.M., during eighth month.* Dr. WARREN.] Omitted in 1944–45.

Credit ½ unit.

The aim of this course is to describe the special control methods which are applicable. The subject is viewed from the standpoint of the administrator rather than from that of the epidemiologist or of the specialist. The course will not be given for less than ten students.

Medical Administration A

Thursdays, 9–11 A.M., fifth, sixth and seventh months; Tuesdays, 2–5 P.M. during eighth month. Dr. HUBER and associates.

Credit 2 units.

This course is offered in recognition of the growing tendency to make medical administration in general a function of the health department. It undertakes to give instruction in clinic management, in hospital service plans, in methods of distributing the costs of medical care through the insurance device, and in home and office medical service such as is provided at the Boston Dispensary. The course will not be given for less than ten students.

Hospital Administration A

Second half-year. Time and credit to be arranged. Dr. WILHELM and others.

Modern public health organization indicates a growing trend for the local health officer to be directly responsible for city or county hospital management. In recognition of the fact that hospital administration, even of small

hospitals, is becoming increasingly complex, health officers and others are seeking instruction in this specialized field. A program has been developed, therefore, which covers the principles of hospital administration. No attempt is made in this brief course to develop hospital administrators but rather to teach the public health student those principles which will enable him to know whether the hospital for which he is responsible is being managed efficiently and economically. To do this, it is not necessary to know details of hospital administration but it is essential to have sufficient knowledge of the fundamentals.

The faculty will include authorities in their respective fields and subjects will include History and Development of Hospitals, Organization and Management, Construction, Personnel Management in Hospitals, Hospitals and Public Health, Legal, Political and Sociological Aspects of Hospital Administration, Public Relations and Hospitals, Educational Functions of Hospitals. The greater part of the course is didactic in nature, but opportunities are afforded to visit different types of hospitals in Massachusetts. This course will not be given for less than five students.

Hospital Administration B

First or second half-year. Time and credit to be arranged. Dr. WILHELM.

This course is designed for students who elect Hospital Administration A and for certain others who are interested in attending daily administrative conferences at the Peter Bent Brigham Hospital. Limited to five students.

Dental Public Health Practice

Graduates in dentistry who are accepted as candidates for the degree of Master of Public Health are required to take the basic courses which are prescribed for that degree. They are assumed to have had adequate training and experience in all phases of clinical dentistry but as additional experience, opportunities are provided in the Forsyth Infirmary and in the Harvard School of Dental Medicine. This work is under the direction of Dr. LOSCH.

Opportunities for field work in public health dentistry are provided in the Massachusetts Department of Public Health and in the Health Department of the City of Newton.

SANITARY ENGINEERING

GORDON M. FAIR, S.M., *Abbot and James Lawrence Professor of Engineering, Gordon McKay Professor of Sanitary Engineering* and *Head of the Department.*

MELVILLE C. WHIPPLE, A.M. (hon.), *Associate Professor of Sanitary Chemistry.*

Edward W. Moore, A.M., *Associate Professor of Sanitary Chemistry.* [Absent for war service.]

Shih L. Chang, M.D., Dr.P.H., *Faculty Instructor in Sanitary Biology.*

Charles E. Renn, S.B., Ph.D., *Lecturer on Sanitary Biology.*

Harold A. Thomas, Jr., S.D., *Assistant Professor of Sanitary Engineering.*

The Principles of Sanitation A

Lectures and demonstrations. *Tuesdays and Thursdays, 10 A.M.–12 M., first half-year; Thursdays, 9 A.M.–12 M., November 9 and 16.* Professor Fair and associates.

Credit 4 units.

A course of lectures, demonstrations and inspections arranged especially for students in the School of Public Health. The following topics will be studied: (*a*) Water Supply — collection, purification and distribution; (*b*) Sewerage — collection, treatment and disposal; (*c*) Analysis of Water and Sewage — physical, chemical and biological; (*d*) Housing, City Planning and Zoning; (*e*) Rural Sanitation; (*f*) Biological Control — insects and rodents; (*g*) Food Sanitation — production, preservation, distribution and preparation; (*h*) Milk Sanitation; (*i*) Shellfish Sanitation; (*j*) Garbage and Refuse — collection and disposal; (*k*) Sanitation of Schools, Camps and Bathing Places.

Sanitation B (Laboratory)

Laboratory and field work. Dr. Thomas.

Time and credit to be arranged.

Examination of water and water supplies, milk and milk supplies, swimming pools, drainage systems, and food handling establishments. Experimental water purification and sewage treatment. Interpretation of engineering drawings of sanitary works.

The following courses of instruction offered in the Graduate School of Engineering are open to properly qualified students:

Engineering 400a. Water Supply and Sewerage. Professor Fair.

Engineering 400b. Water Purification and Sewage Treatment Works. Professor Fair.

Engineering 410a. Chemical Examination of Water and Sewage. Associate Professor Whipple.

Engineering 411a. General Bacteriology. Dr. Chang.

Engineering 412a and 412b. Principles of Sanitary Chemistry. Dr. Morris.

Engineering 413a. Aquatic Biology. Dr. RENN.

Engineering 413b. Sanitary Parasitology. Dr. CHANG.

Engineering 430b. Theory of Water Purification and Sewage Treatment. Dr. THOMAS.

Engineering 431b. Field and Laboratory Work in Water Purification and Sewage Treatment. Associate Professor WHIPPLE.

VITAL STATISTICS

EDWIN B. WILSON, A.B., Ph.D., *Professor of Vital Statistics* and *Head of the Department.*

CARL R. DOERING, A.B., M.D., S.D., *Assistant Professor of Vital Statistics.*

JANE WORCESTER, A.B., *Associate in Vital Statistics.*

Vital Statistics A

Lectures and laboratory work. *Mondays, 10–11 A.M., first, second and third months; 11 A.M.–12 M., fourth month; Wednesdays and Fridays, 10 A.M.–12 M., first half-year.* Dr. DOERING.

Credit 5 units.

This introduction to Vital Statistics will consist of lectures, recitations, and written work designed to familiarize the student with (1) the general facts already well established in demography, (2) the methods of graphical representation, (3) the calculation and use of averages and of measures of variation, and (4) the common types of rates, their adjustment and comparison.

Vital Statistics B

Lectures and laboratory work. *Tuesdays, 10 A.M.–12.30 P.M., Thursdays and Saturdays, 11 A.M.–12.30 P.M., fifth, sixth and seventh months; Tuesdays, 9 A.M.–12.30 P.M. and Saturdays, 11 A.M.–12.30 P.M., eighth month.* Professor WILSON.

Credit 4 units.

This course deals with the elements of the theory of statistical method with especial emphasis on those types of reasoning which are important for the proper planning and execution of field or laboratory investigations. It includes (1) the basic theory of probability, including errors of sampling, (2) association (Yule) and correlation, (3) arithmetic and geometric trends and, as time permits, various other topics such as life tables, rise and fall of epidemics, and the analysis of variation into component parts.

Vital Statistics C

Professor Wilson or Dr. Doering

Credit according to amount of work done.

A reading course, in either or both half-years, without specific assignment of hours, for students who have a satisfactory knowledge of elementary statistics and wish individual supervision in their study of more advanced parts of the subject.

Vital Statistics D

Professor Wilson or Dr. Doering

Credit according to amount of work done.

A research course, in either or both half-years, for students, whether specializing in Vital Statistics or in any other field of public health or the social disciplines, who desire to make statistical investigations of their own or to coöperate in the general statistical research of the Department.

The Physician and the Community

[Lectures and discussions. *Mondays, Wednesdays and Fridays, 2–3 P.M., eighth month.* Dr. Doering and others to be announced.] Omitted 1944–45.

Credit ½ unit.

After a few introductory lectures the course will consist of discussions of situations and conditions arising as a result of the social organization of the community. The health officer with a few years' experience has encountered problems based on the organization with which he is familiar. These problems are closely related to the health of the community and to the administration of a health program. In past years, students have requested discussions of social factors relating to the public health and this course is offered tentatively.

The discussion group will be limited to those who have had some experience in the public health field. Those who have not had such experience may attend the discussions as auditors. The selection of members of the class will be made by the Instructor after consultation with candidates.

STUDENTS 1943–44

Candidates for the Degree of Doctor of Public Health

Lutman, Grace E., S.B., M.D.	Burlington, Vt.
Olason, Fridgeir, M.D., M.P.H.	Reykjavik, Iceland
O'Malley, Martha A., M.D.	Waukon, Iowa

Candidates for the Degree of Master of Public Health

Ayers, Polly, A.B., D.D.S.	Boston, Mass.
Ballin, Diamond A., S.B., A.M.	Boston, Mass.
Beal, Virginia A., S.B.	Nantasket Beach, Mass.
Boulos, Carlos, M.D.	Port au Prince, Haiti
Buteau, Felix P., M.D.	Les Cayes, Haiti
Chapman, Carleton B., A.B., B.A., M.D.	Columbus, Ga.
Conley, L. Ann, S.B.	Allston, Mass.
daSilva, Orlando J., M.D.	Fortaleza, Brazil
Durand, Jean-Baptiste O., M.D.	Port au Prince, Haiti
Ferrufino, Carlos, M.D.	La Paz, Bolivia
Finley, A. Moneera, A.B., N.M.	Upper Darby, Pa.
Frazier, Frances M., S.B.	Harrisonburg, Va.
Garfield, Stanton, A.B., M.D.	Concord, Mass.
Henley, Jean E., A.B., M.D.	New York, N. Y.
Hurley, Mary M., A.B.	Boston, Mass.
McQueeney, Andrew J., A.B., M.D.	Bridgeport, Conn.
Mendeloff, Albert I., A.B., M.D.	Charleston, W. Va.
Metcoff, Jack, S.B., M.B., M.D.	Chicago, Ill.
Nicolas, Georges, M.D.	Jeremie, Haiti
Phelps, Lillian A., A.B., A.M., Ph.D.	Topeka, Kansas
Rao, M. Narasimha, M.B.B.S.	Cocanada, India
Roberts, Helen L., A.B., M.D.	Newtonville, Mass.
Stevenson, Stuart S., A.B., M.D.	Fairfield, Conn.
Thomson, Stewart C., A.B., M.D., M.S.	Byron, Ill.
Tsongas, Andromache G., S.B.	Lowell, Mass.
Varley, Margaret L., S.B.	Englewood, N. J.
Weiss, Franziska, M.D.	New York, N. Y.
Whiteman, Ellen B., A.B.	Nashville, Tenn.
Williams, Arthur, S.B., D.D.S.	Washington, D. C.

Special Students

Bond, Edna Y., S.B.	Maplewood, N. J.
Ciarleglio, Cassandra C.	Hartford, Conn.
Colby, Edward W., S.B., M.D.	Concord, N. H.

Dub, Leo, M.D.	Brookline, Mass.
Edwards, Clarence L.	Quincy, Mass.
Foster, Marjorie	Lowell, Mass.
Haber, Gene B., A.B., M.D.	Albany, N. Y.
Hague, Sister Agnes Cecilia, S.B.	Halifax, N. S.
Henes, Catherine, S.B., S.M.	West Roxbury, Mass.
Holt, Mary A.	Stowe, Vt.
Jukes, Elizabeth W., S.B.	Medford, Mass.
Kaufman, Shirley B., S.B.	Cambridge, Mass.
Keegan, Sister Irene Marie, S.B.	Halifax, N. S.
MacFawn, Vivian P., S.B.	Providence, R. I.
Mascarenhas, Clovis C., M.D.	Rio de Janeiro, Brazil
Meter, Marion K., S.B.	Reading, Pa.
Miller, Kenneth R.	Drexel Hill, Pa.
Searles, Wade T., S.B., A.M.	Columbus, Ohio
Sirois, Sarah R.	Concord, N. H.
Sogandares, Lucila E., S.B.	Panama City, Panama
Tsiang, Amy H., S.B.	Chungking, China

DEGREES

On March 1, 1943, the following Degree was conferred:

Doctor of Public Health

Virgil Heath Cornell, M.D. (*Long Island Coll. of Medicine*) 1913.
Thesis: The Lymphatic Tumor Registry; an Important Part of the Cancer Control Program.
Special Field: Control of Cancer.

On May 27, 1943, Degrees and Certificates were conferred as follows:

Doctor of Public Health, *Magna cum Laude*

Ruth Rice Puffer, A.B. (*Smith Coll.*) 1929.
Thesis: Familial Susceptibility to Tuberculosis.
Special Field: Epidemiology.

Master of Public Health, *cum Laude*

Anna Maud Fillmore, S.B. (*Columbia Univ.*) 1940.

Helen Margaret Wallace, A.B. (*Wellesley Coll.*) 1933, M.D. (*Columbia Univ.*) 1937.

Henry Douglas Weatherhead, M.R.C.S., L.R.C.P. (*Univ. of London*) 1926.

Master of Public Health

Gwen McWhorter, A.B. (*Univ. of Alabama*) 1923, A.M. (*Columbia Univ.*) 1928.

Franco Mortara, M.D. (*Royal Univ. of Bologna*) 1932.

Ruth Azniv Parmelee, A.B. (*Oberlin Coll.*) 1907, M.D. (*Univ. of Illinois*) 1912.

Certificate in Public Health

Nishan Megurditch Hampson, A.B. (*Euphrates College*) 1900, M.D. (*American Univ. of Beirut*) 1904.

Certificate of Public Health in Nutrition

Horacio Parra, M.D. (*National Univ. of Bogota*) 1935.

Julio Victor Santa Maria, M.D. (*Univ. of Chile*) 1933.

TABULAR VIEW

	FIRST MONTH (*November 1–28*)	SECOND MONTH (*November 29–January 2*) Recess December 22–28
Monday	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Parasitology A 2–5 P.M.
Tuesday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.
Wednesday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.
Thursday	Public Health Practice A 9–10 A.M. (2–3 P.M. Nov. 9 & 16) Sanitation A 10 A.M.–12 M. (9 A.M.–12 M. Nov. 9 & 16) Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Industrial Hygiene B 2–5 P.M.
Friday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M. (except Dec. 29)
Saturday	Public Health Practice A 9–10 A.M. Parasitology A 10 A.M.–12.30 P.M. Nov. 4, 18, 25	Public Health Practice A 9–10 A.M. Medical Writing 10–11 A.M. (Dec. 30)

TABULAR VIEW

	THIRD MONTH (*January 3–30*)	FOURTH MONTH (*January 31–February 27*) Examinations February 23–27
Monday	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Medical Writing 11 A.M.–12 M. (Jan. 8, 15, 22) Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Public Health Practice D_1 11 A.M.–12 M. (Feb. 5, 12) Bacteriology A 2–5 P.M.
Tuesday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Industrial Hygiene B 2–5 P.M. Public Health Practice D_1 2–4 P.M. (Feb. 6, 13, 20)
Wednesday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.
Thursday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Industrial Hygiene B 2–5 P.M. Public Health Practice D_1 2–4 P.M. (Feb. 1, 8, 15)
Friday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.
Saturday	Public Health Practice A 9–10 A.M. Medical Writing 10 A.M.–12 M. (Jan. 6, 13) Bacteriology A 10 A.M.–12.30 P.M. (Jan. 20, 27)	Public Health Practice A 9–10 A.M. Public Health Practice D_1 10 A.M.–12 M. (Feb. 3, 10, 17)

TABULAR VIEW

	FIFTH MONTH (*March 5–31*)	SIXTH MONTH (*April 2–28*)
Monday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M. Child Health C 2–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M. Child Health C 2–5 P.M.
Tuesday	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.
Wednesday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.
Thursday	Medical Administration A 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Child Health B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Medical Administration A 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Child Health B 2–4 P.M. Industrial Hygiene B 2–5 P.M.
Friday	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M.	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M.
Saturday	Epidemiology A (Laboratory) 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M.	Epidemiology A (Laboratory) 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M.

TABULAR VIEW

	SEVENTH MONTH (*April 30–May 26*)	EIGHTH MONTH (*May 28–June 23*) Examinations June 18–23
Monday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M. Child Health C 2–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Public Health Practice D_2 2–4 P.M. Child Health C 2–5 P.M. Bacteriology C 2–5 P.M.
Tuesday	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Vital Statistics B 9 A.M.–12.30 P.M. Medical Administration A 2–5 P.M.
Wednesday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Public Health Practice D_2 2–4 P.M. Bacteriology C 2–5 P.M.
Thursday	Medical Administration A 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Child Health B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice B Mornings Child Health C Mornings Public Health Practice D_2 2–4 P.M. (May 31, June 7)
Friday	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M.	Child Health A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Public Health Practice D_2 2–4 P.M. Bacteriology C 2–5 P.M.
Saturday	Epidemiology A (Laboratory) 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M.	Epidemiology A (Laboratory) 9–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M.

KEY TO AERIAL VIEW

I School of Public Health

A Administration Building, Medical School
First Floor, Student Health Office
Second Floor, Library

B, C, D, E Laboratories and Classrooms, Medical School
C_2 Department of Nutrition
D_2 Departments of Bacteriology and Epidemiology
E_2 Department of Comparative Pathology and Tropical Medicine
F Vanderbilt Hall

II Peter Bent Brigham Hospital

III Children's Hospital

IV Lying-In Hospital

V Carnegie Nutrition Laboratory

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V
Aero-Scenic Airviews Co.

FROM
THE DEPARTMENT OF ANATOMY
HARVARD MEDICAL SCHOOL
BOSTON, - - MASS.